WHAT IS CLAIMED IS:

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1. A solder-resist film formation method for forming a solder-resist film on a circuit board having patterned circuit conductor parts at least on one face thereof, comprising the steps of

forming a resin layer between said neighboring circuit conductor parts by applying a liquid-phase curable resin so as to fill grooves between the neighboring circuit conductor parts and

- forming a solder-resist film by applying a solder resist to the circuit board having the resin layer.
 - 2. The solder-resist film formation method according to the claim 1, wherein the solder resist is a water-based solder resist.
- 3. The solder-resist film formation method according to the claim 1, wherein the thickness of the circuit conductor parts is 100 μm or thicker.
 - 4. The solder-resist film formation method according to the claim 1, wherein the liquid-phase curable resin is applied so as to fill the grooves using only a squeegee without using a printing plate.
 - 5. The solder-resist film formation method according to the claim 1, wherein the step of forming the resin layer includes a step of forming a resin layer by applying the liquid-phase curable resin and then curing the resin and a step of removing

the resin layer remaining on the circuit conductor parts by polishing the surface of the circuit board.

6. The solder-resist film formation method according to the claim 5, wherein the solder resist is a water-based solder resist.

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- 7. The solder-resist film formation method according to the claim 5, wherein the thickness of the circuit conductor parts is 100 μm or thicker.
- 8. The solder-resist film formation method according to
 10 the claim 5, wherein the liquid-phase curable resin is applied
 so as to fill the grooves using only a squeegee without using
 a printing plate.
 - 9. A solder-resist film formation method for forming a solder-resist film on a circuit board having patterned circuit conductor parts at least on one face thereof, comprising the steps of

forming a resin layer by applying a liquid-phase curable resin to a circuit board in a state that an etching resist film used for patterning remains on circuit conductor parts, so as to fill grooves between the neighboring circuit conductor parts and curing the liquid-phase curable resin;

removing the etching resist film remaining on the surface of the circuit conductor parts together with the resin layer; and

forming a solder-resist film by applying a solder resist

to the circuit board.

- 10. The solder-resist film formation method according to the claim 9, wherein the solder resist is a water-based solder resist.
- 11. The solder-resist film formation method according to the claim 9, wherein the thickness of the circuit conductor parts is 100 μm or thicker.
- 12. The solder-resist film formation method according to the claim 9, wherein the liquid-phase curable resin is applied so as to fill the grooves using only a squeegee without using a printing plate.